



## 2488-1-012PCTUS Sequence Listing.txt

## SEQUENCE LISTING

&lt;110&gt; Nunn, Miles Andrew

&lt;120&gt; Complement Inhibitors

&lt;130&gt; 2488-1-012PCT/US

&lt;140&gt; 10/558,937

&lt;141&gt; 2007-01-29

&lt;150&gt; PCT/GB2004/002341

&lt;151&gt; 2004-06-02

&lt;150&gt; GB0327386.9

&lt;151&gt; 2003-11-25

&lt;150&gt; GB0312619.0

&lt;151&gt; 2003-06-02

&lt;160&gt; 19

&lt;170&gt; FastSEQ for Windows Version 4.0

&lt;210&gt; 1

&lt;211&gt; 507

&lt;212&gt; DNA

&lt;213&gt; Ornithodoros moubata

&lt;400&gt; 1

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atgctggttt tgggtgaccct gattttctcc ttttctgcga acatcgcata tgctgacagc 60
gaaagcgact gcactggaag cgaacctggt gacgccttcc aagctttcag tgagggcaaa 120
gaggcatatg tcctggtgag gtccacggat cccaaagcga gggactgctt gaaaggagaa 180
ccagccggag aaaagcagga caacacgttg ccggtgatga tgacgtttaa gaatggcaca 240
gactgggctt caaccgattg gacgtttact ttggacggcg caaaggtaac ggcaaccctt 300
ggtaacctaa cccaaaatag ggaagtggtc tacgactcgc aaagtcatca ctgccacgtt 360
gacaaggctg agaaggaagt tccagattat gagatgtgga tgctcgatgc gggagggctt 420
gaagtggaag tcgagtgcgt ccgtcaaaag cttgaagagt tggcgtctgg caggaaccaa 480
atgtatcccc atctcaagga ctgctag 507
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&lt;210&gt; 2

&lt;211&gt; 168

&lt;212&gt; PRT

&lt;213&gt; Ornithodoros moubata

&lt;400&gt; 2

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Met Leu Val Leu Val Thr Leu Ile Phe Ser Phe Ser Ala Asn Ile Ala
 1          5          10          15
Tyr Ala Asp Ser Glu Ser Asp Cys Thr Gly Ser Glu Pro Val Asp Ala
          20          25          30
Phe Gln Ala Phe Ser Glu Gly Lys Glu Ala Tyr Val Leu Val Arg Ser
          35          40          45
Thr Asp Pro Lys Ala Arg Asp Cys Leu Lys Gly Glu Pro Ala Gly Glu
          50          55          60
Lys Gln Asp Asn Thr Leu Pro Val Met Met Thr Phe Lys Asn Gly Thr
          65          70          75          80
Asp Trp Ala Ser Thr Asp Trp Thr Phe Thr Leu Asp Gly Ala Lys Val
          85          90          95
Thr Ala Thr Leu Gly Asn Leu Thr Gln Asn Arg Glu Val Val Tyr Asp
          100          105          110
Ser Gln Ser His His Cys His Val Asp Lys Val Glu Lys Glu Val Pro
```

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```

      115      120      125
Asp Tyr Glu Met Trp Met Leu Asp Ala Gly Gly Leu Glu Val Glu Val
      130      135      140
Glu Cys Cys Arg Gln Lys Leu Glu Glu Leu Ala Ser Gly Arg Asn Gln
      145      150      155      160
Met Tyr Pro His Leu Lys Asp Cys
      165

```

<210> 3  
 <211> 163  
 <212> PRT  
 <213> Ornithodoros savignyi

```

<400> 3
Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr
  1      5      10
Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Glu Ala Tyr Val Ala
      20      25      30
Phe Asn Glu Gly Lys Gly Ala Tyr Ile Leu Val Arg Ser Thr Asn Leu
      35      40      45
Asn Ala Arg Asp Cys Leu Lys Gly Glu Ala Thr Gly Lys Lys Glu Gly
      50      55      60
Asn Thr Leu Pro Val Met Met Ala Phe Lys Asp Glu Gly Lys Trp Val
      65      70      75      80
Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr
      85      90      95
His Gly Gln Arg Thr Leu Lys Gly Glu Val Val Tyr Asp Val Pro Ser
      100      105      110
His His Cys His Ile Glu Lys Leu Glu Ser Gly Ala Tyr Asp Met Trp
      115      120      125
Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys
      130      135      140
Arg Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp
      145      150      155      160
Lys Asp Cys

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<210> 4  
 <211> 163  
 <212> PRT  
 <213> Ornithodoros savignyi

```

<400> 4
Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr
  1      5      10
Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Asp Ala Tyr Val Ala
      20      25      30
Phe Asn Glu Gly Gln Gly Ala Tyr Ile Leu Val Lys Ser Thr Asp Leu
      35      40      45
Asp Ala Arg Asp Cys Leu Lys Gly Ser Ala Thr Gly Lys Lys Glu Gly
      50      55      60
Asn Lys Val Pro Val Met Met Ala Phe Lys Asn Glu Gly Gln Trp Val
      65      70      75      80
Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr
      85      90      95
Asp Gly Gln Arg Thr Leu Lys Arg Glu Val Val Tyr Asp Val Ala Ser
      100      105      110
His His Cys His Val Glu Lys Leu Ala Ser Gly Ala Tyr Glu Met Trp
      115      120      125
Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys
      130      135      140

```

## 2488-1-012PCTUS Sequence Listing.txt

Lys Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp  
 145 150 155 160  
 Lys Asp Cys

<210> 5  
 <211> 171  
 <212> PRT  
 <213> Ornithodoros moubata

<400> 5  
 Met Met Leu Val Leu Thr Thr Leu Ile Phe Ser Phe Ser Ala Ser Ile  
 1 5 10 15  
 Ala Tyr Ala Gln Ser Gly Cys Ser Val Ser Asp Pro Leu Asp Ala Leu  
 20 25 30  
 Lys Ala Phe Lys Asp Gly Ala Gly Thr Phe Leu Leu Gln Lys Ser Thr  
 35 40 45  
 Asp Pro Gln Ala Arg Asp Cys Leu Lys Gly Thr Pro Asn Gly Asn Arg  
 50 55 60  
 Asp Gly Asn Thr Leu Pro Val Thr Met Thr Tyr Lys Asp Asp Ser Lys  
 65 70 75 80  
 Trp Val Ser Leu Asn Trp Met Phe Thr Leu Glu Gly Ala Asn Ile Val  
 85 90 95  
 Ala Thr Leu Glu Gly Lys Arg Lys Gln Arg Gly Glu Leu Val Tyr Asp  
 100 105 110  
 Val Gln Ser His Asp Cys His Ile Thr Lys Leu Ser Ser Gly Val Tyr  
 115 120 125  
 Gln Gln Trp Gln Ser Asn Gly Ser Ala Asp Asp Lys Asp Ile Lys Cys  
 130 135 140  
 Cys Asp Glu Lys Phe Lys Glu Leu Thr Ser Gly Ile Asp Tyr Thr Lys  
 145 150 155 160  
 Pro Gln Glu Lys Gly Cys Glu Thr Ser Ala Lys 170

<210> 6  
 <211> 168  
 <212> PRT  
 <213> Ornithodoros moubata

<400> 6  
 Met Leu Val Leu Val Thr Leu Ile Phe Ser Phe Ser Ala Asn Ile Ala  
 1 5 10 15  
 Tyr Ala Asp Ser Glu Ser Asp Cys Ser Gly Ser Glu Pro Val Asp Ala  
 20 25 30  
 Phe Gln Ala Phe Ser Glu Gly Lys Glu Ala Tyr Val Leu Val Arg Ser  
 35 40 45  
 Thr Asp Pro Lys Ala Arg Asp Cys Leu Lys Gly Glu Pro Ala Gly Glu  
 50 55 60  
 Lys Gln Asp Asn Thr Leu Pro Val Met Met Thr Phe Lys Asn Gly Thr  
 65 70 75 80  
 Asp Trp Ala Ser Thr Asp Trp Thr Phe Thr Leu Asp Gly Ala Lys Val  
 85 90 95  
 Thr Ala Thr Leu Gly Asn Leu Thr Gln Asn Arg Glu Val Val Tyr Asp  
 100 105 110  
 Ser Gln Ser His His Cys His Val Asp Lys Val Glu Lys Glu Val Pro  
 115 120 125  
 Asp Tyr Glu Met Trp Met Leu Asp Ala Gly Gly Leu Glu Val Glu Val  
 130 135 140  
 Glu Cys Cys Arg Gln Lys Leu Glu Glu Leu Ala Ser Gly Arg Asn Gln  
 145 150 155 160  
 Met Tyr Pro His Leu Lys Asp Cys

165

<210> 7  
 <211> 163  
 <212> PRT  
 <213> Ornithodoros savignyi

<400> 7  
 Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr  
 1 5 10 15  
 Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Glu Ala Tyr Val Ala  
 20 25 30  
 Phe Asn Glu Gly Lys Gly Ala Tyr Ile Leu Val Arg Ser Thr Asn Leu  
 35 40 45  
 Asn Ala Arg Asp Cys Leu Lys Gly Glu Ala Thr Gly Lys Lys Glu Gly  
 50 55 60  
 Asn Thr Leu Pro Val Met Met Ala Phe Lys Asp Glu Gly Lys Trp Val  
 65 70 75 80  
 Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr  
 85 90 95  
 His Gly Gln Arg Thr Leu Lys Gly Glu Val Val Tyr Asp Val Pro Ser  
 100 105 110  
 His His Cys His Ile Glu Lys Leu Glu Ser Gly Ala Tyr Asp Met Trp  
 115 120 125  
 Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys  
 130 135 140  
 Arg Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp  
 145 150 155 160  
 Lys Asp Cys

<210> 8  
 <211> 163  
 <212> PRT  
 <213> Ornithodoros savignyi

<400> 8  
 Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr  
 1 5 10 15  
 Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Asp Ala Tyr Val Ala  
 20 25 30  
 Phe Asn Glu Gly Gln Gly Ala Tyr Ile Leu Val Lys Ser Thr Asp Leu  
 35 40 45  
 Asp Ala Arg Asp Cys Leu Lys Gly Ser Ala Thr Gly Lys Lys Glu Gly  
 50 55 60  
 Asn Lys Val Pro Val Met Met Ala Phe Lys Asn Glu Gly Gln Trp Val  
 65 70 75 80  
 Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr  
 85 90 95  
 Asp Gly Gln Arg Thr Leu Lys Arg Glu Val Val Tyr Asp Val Ala Ser  
 100 105 110  
 His His Cys His Val Glu Lys Leu Ala Ser Gly Ala Tyr Glu Met Trp  
 115 120 125  
 Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys  
 130 135 140  
 Lys Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp  
 145 150 155 160  
 Lys Asp Cys

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<210> 9  
 <211> 171  
 <212> PRT  
 <213> Ornithodoros moubata

<400> 9  
 Met Met Leu Val Leu Thr Thr Leu Ile Phe Ser Phe Ser Ala Ser Ile  
 1 5 10 15  
 Ala Tyr Ala Gln Ser Gly Cys Ser Val Ser Asp Pro Leu Asp Ala Leu  
 20 25 30  
 Lys Ala Phe Lys Asp Gly Ala Gly Thr Phe Leu Leu Gln Lys Ser Thr  
 35 40 45  
 Asp Pro Gln Ala Arg Asp Cys Leu Lys Gly Thr Pro Asn Gly Asn Arg  
 50 55 60  
 Asp Gly Asn Thr Leu Pro Val Thr Met Thr Tyr Lys Asp Asp Ser Lys  
 65 70 75 80  
 Trp Val Ser Leu Asn Trp Met Phe Thr Leu Glu Gly Ala Asn Ile Val  
 85 90 95  
 Ala Thr Leu Glu Gly Lys Arg Lys Gln Arg Gly Glu Leu Val Tyr Asp  
 100 105 110  
 Val Gln Ser His Asp Cys His Ile Thr Lys Leu Ser Ser Gly Val Tyr  
 115 120 125  
 Gln Gln Trp Gln Ser Asn Gly Ser Ala Asp Asp Lys Asp Ile Lys Cys  
 130 135 140  
 Cys Asp Glu Lys Phe Lys Glu Leu Thr Ser Gly Ile Asp Tyr Thr Lys  
 145 150 155 160  
 Pro Gln Glu Lys Gly Cys Glu Thr Ser Ala Lys  
 165 170

<210> 10  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic oligonucleotide

<400> 10  
 taatacgact cactatag 18

<210> 11  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic oligonucleotide

<400> 11  
 aattaaccct cactaaag 18

<210> 12  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic oligonucleotide

<220>  
 <221> variant  
 <222> (5)...(5)

<223> w is a or t

<220>

<221> variant

<222> (6)...(6)

<223> s is c or g

<220>

<221> variant

<222> (7)...(7)

<223> n is a, c, g, or t

<220>

<221> variant

<222> (10)...(10)

<223> n is a, c, g, or t

<220>

<221> variant

<222> (11)...(11)

<223> w is a or t

<220>

<221> variant

<222> (12)...(12)

<223> s is c or g

<220>

<221> variant

<222> (13)...(13)

<223> n is a, c, g, or t

<220>

<221> variant

<222> (16)...(16)

<223> r is a or g

<220>

<221> variant

<222> (19)...(19)

<223> n is a, c, g, or t

<400> 12

gtacwsnggn wsngarccng t

21

<210> 13

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 13

gggaggcttt ctgtatcc

18

<210> 14

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

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<400> 14  
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<210> 15  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide

<400> 15  
gactcgcaaa gtcacac 18

<210> 16  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide

<400> 16  
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<210> 17  
<211> 55  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide

<400> 17  
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<210> 18  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide

<400> 18  
actgagcggc cgcctagcag tccttgagat gggg 34

<210> 19  
<211> 17  
<212> PRT  
<213> Ornithodoros moubata

<220>  
<223> Synthetic peptide

<220>  
<221> misc\_feature  
<222> (6)...(6)  
<223> Xaa is any amino acid sequence

<400> 19  
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1  
Ala

5

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10 15